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**MicroPatent's Patent Index Database:** [Complete Family of JP1013019A]

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[Order Selected Patent\(s\)](#)**JP1013019A** ☐ **19890117** [FullText](#)**Title:** (ENG) ALDOSE REDUCTASE INHIBITOR**Abstract:** (ENG)

**PURPOSE:** To obtain the titled inhibitor containing a specific chalcone derivative as an ingredient and useful in prevention or remedy for various kind of complications in diabetes such as cataract, retinopathy, nerve disorder or renal disease.

**CONSTITUTION:** A compound expressed by the formula (X and Y are H or a bond hand together; R1 is H, acetoxy, carboxymethoxy or methoxycarbonylmethoxy; R 2is isoprenyl, isopentyl, n- propyl or H; R3is OH or methoxy; R 4and R5are H, OH or methoxy provided that when R5is OH, R1and R 3are OH and R2is H and when R 1is OH and R2is isopentyl, R3 is OH and R5is H, etc.), e.g. 1-(2,4-dihydroxyphenyl)- 3-(3,4- dihydroxyphenyl)-1- propanone is contained as an active ingredient. The above-mentioned compound is administered in doses of 60W500mg three times daily as oral agent and in doses of 1W30mg daily as parenteral agent.

**Application Number:** JP 14216687 A**Application (Filing) Date:** 19870609**Priority Data:** JP 14216687 19870609 A X;**Inventor(s):** CHIN MASAO ; SATO SHUNJI ; HOSAKA KUNIO ; MIHASHI HIROSHI**Assignee/Applicant/Grantee:** TSUMURA & CO**Original IPC (1-7):** A61K03112; A61K03122; A61K031235; C12N00999; C07C04982; C07C04984; C07C06912; C07C069708; C07C06994**Other Abstracts for Family Members:** DERABS C89-059210**Other Abstracts for This Document:** DERC89-059210**Patents Citing This One (4):**

- US5928670A 19990727 US HEALTH US  
Method of inhibiting aldose reductase in vivo with intrinsic inhibitors of aldose reductase
- US5738878A 19980414 US HEALTH US  
Process for making intrinsic inhibitors of aldose reductase
- US5560936A 19961001 US HEALTH US  
Intrinsic inhibitors of aldose reductase
- WO2005054170A1 20050616 TAKARA BIO INC JP; OHNOGI HIROMU ; SUGIYAMA KATSUMI ; ENOKI TATSUJI ; KOBAYASHI EIJI ; SAGAWA HIROAKI ; KATO IKUNOSHIN  
REMEDY

**Legal Status:** There is no Legal Status information available for this patent

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